Virginia Information Technologies Agency

Enterprise Architecture Changes and Challenges

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AITR Meeting
June 13, 2012

Agenda

- Discuss architecture challenges
- Examples of current changes
- Example of upcoming changes
- Key takeaways
- Questions

Several Large Migration Projects

- Java update
- Local admin rights (LAR)
- Windows 2000 migration
- Windows 7 migration

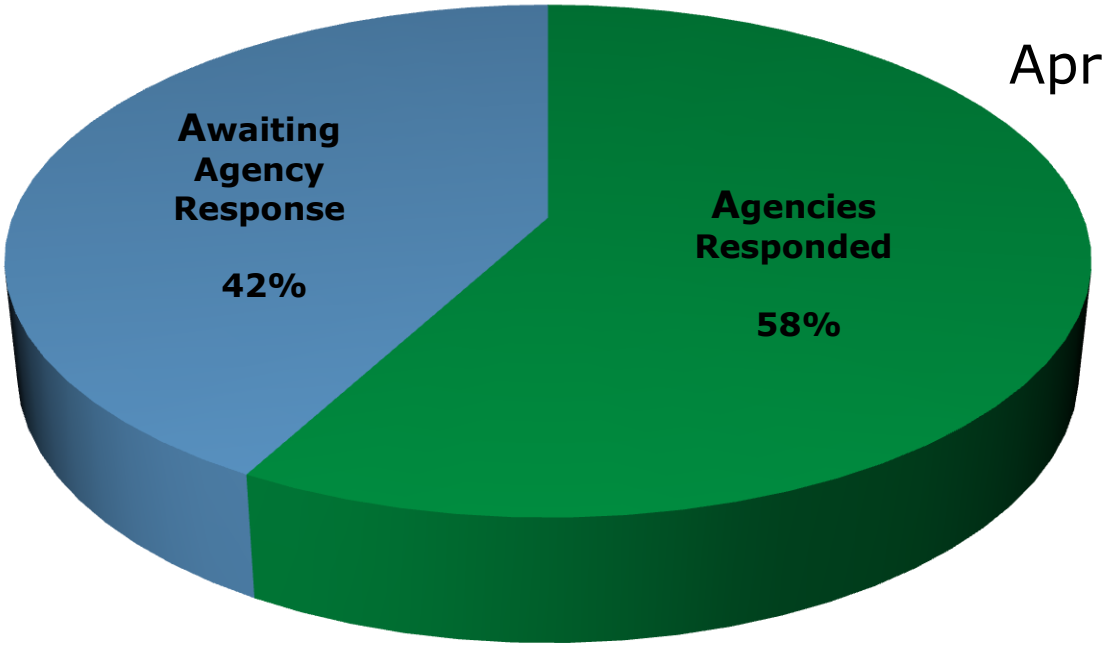
Java Upgrade Progress

Request for identification of issues:

August 2011

Rollout of software begins:

April 2012



Project length as of June 2012: 8 months

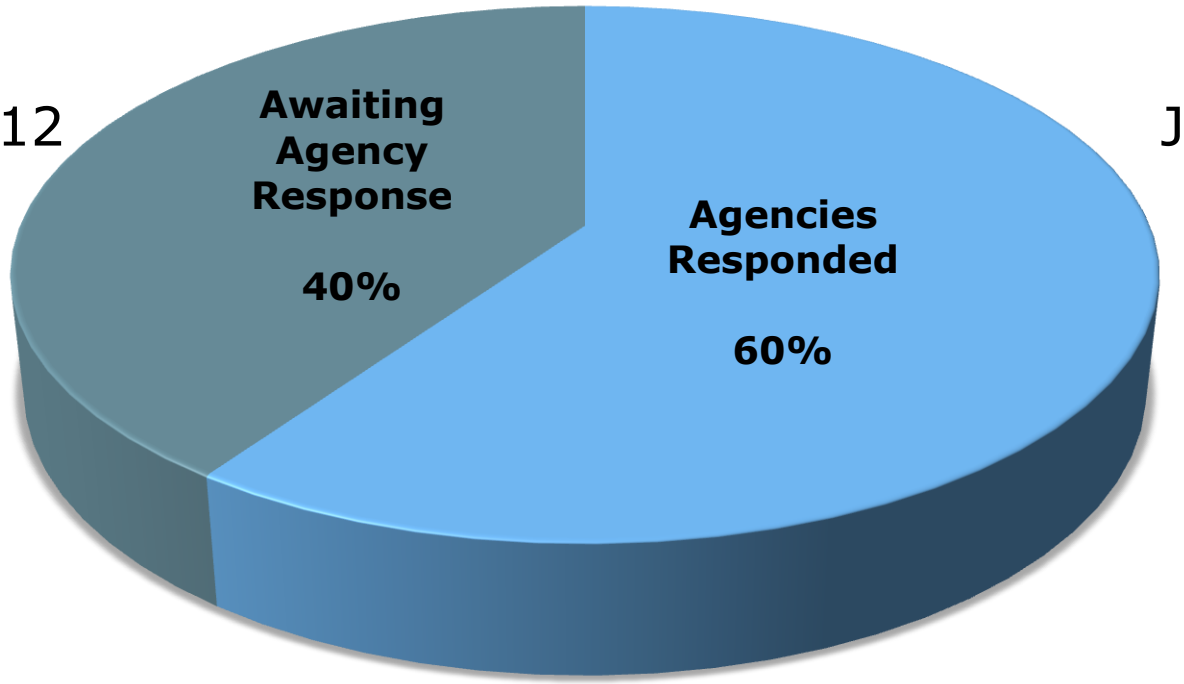
Local Admin Rights Progress

Request for list of accounts:

January 2012

Update to accounts begins:

June 2012

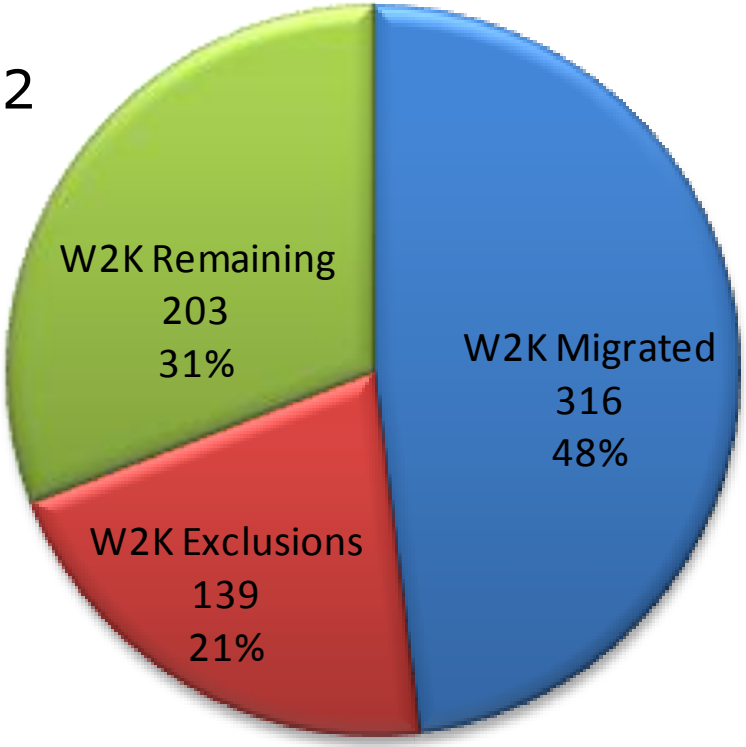


Project length as of June 2012: 6 months

Windows 2000 Update Progress

Upgrades begin:

January 2012



At least 139 systems with plans to remain outdated

- W2K Migrated 316
- W2K Exclusions 139
- W2K Remaining 203

Project length as of June 2012: 6 months

Windows 7

Test Results Returned

Agency Deep Dive

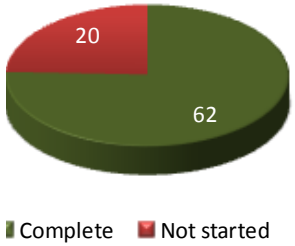
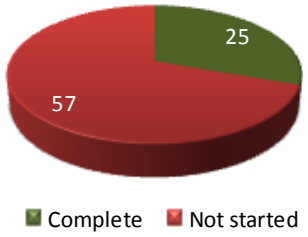
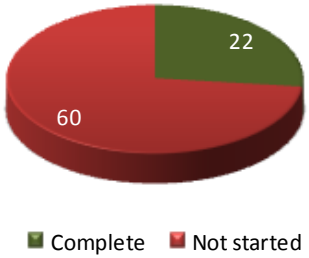


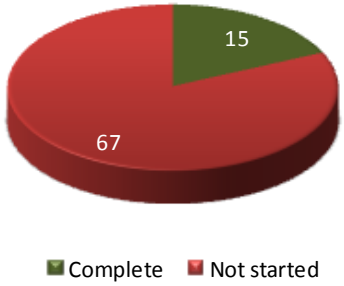
Image Approval



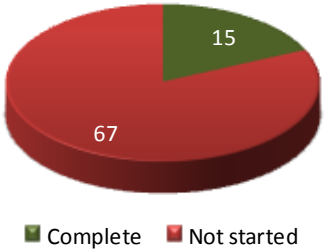
Approval to Deploy



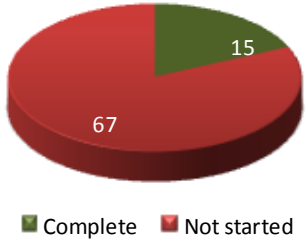
Windows 7 MSR



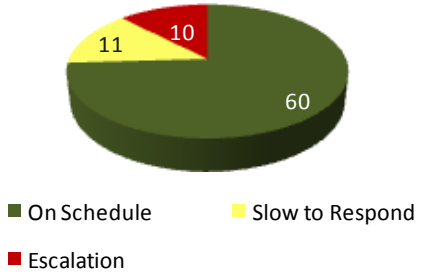
Automated W7 Upgrades



W7 Deployment scheduled



Overall Summary



Upcoming Challenges

Software Roadmap
Server Services (VITA Program)

(PRODUCTS LISTED BELOW COMPRISE NG (VITA)-SUPPORTED TECHNOLOGIES AND THEIR PROJECTED RELEASE/VERSION AVAILABILITY FOR COMMONWEALTH-WIDE DEPLOYMENT PLANNING AND SCHEDULING)

Content Last Revised: Apr 2011

ROADMAP NOTATION LEGEND:

PRODUCT AVAILABILITY — MMM-YY

"*" Denotes subject to periodic "block-point" (B) review and update only

PRODUCT VERSION AVAILABILITY:
- AVAILABLE TECHNOLOGY
  - STRATEGIC
  - STATIC
- TRANSITIONAL TECHNOLOGY (PHASE OUT)
- OBSOLETE TECHNOLOGY (NO LONGER AVAILABLE)

ROADMAP PERIOD: Jan 2011 - Dec 2013

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION	B	FY 2011				FY 2012				FY 2013				FY2014
					2011				2012				2013				
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Storage Management	EMC	Avamar	4.0x														
Storage Management	EMC	Avamar	5.0x			May-11											
Storage Management	EMC	ControlCenter	6.0														
Storage Management	EMC	ControlCenter	6.1														
Storage Management	EMC	Data Protection Advisor	5.6														
Operating Systems	HP	HP-UX	11i V2														
Operating Systems	HP	HP-UX	11i V3														
Operating Systems	IBM	AIX	5.3 / TL 12														
Operating Systems	IBM	AIX	6.1 / TL 6														
Operating Systems	IBM	AIX	7.1 / TL 0														
Database Management Systems	Microsoft	SQL Server 2000	All / SP4														
Database Management Systems	Microsoft	SQL Server 2005	All / SP3														
Database Management Systems	Microsoft	SQL Server 2008	R2														
Operating Systems	Microsoft	Windows 2000 Server	All / SP4														
Operating Systems	Microsoft	Windows NT Server	4 x / SP6		Dec-04												
Operating Systems	Microsoft	Windows Server 2003	R2 / SP2														
Operating Systems	Microsoft	Windows Server 2003	/ SP2														
Operating Systems	Microsoft	Windows Server 2008	R2 / SP2														
Operating Systems	Microsoft	Windows Server 2008	/ SP2														
Operating Systems	Novell	SuSE Linux Enterprise Server	All		Mar-10												
Database Management Systems	Oracle	Oracle Database	10.2														
Database Management Systems	Oracle	Oracle Database	11.2														
Operating Systems	Oracle	Oracle Real Application Cluster	10.2														
Operating Systems	Oracle	Oracle Real Application Cluster	11.2														

Key Takeaways

- Projects are showing signs of struggle
- Post transformation environment will continue to need updates
- More projects on the horizon with likely significant impact to agency resources

Questions?